



DECLARATION FOR PATENT APPLICATION (JOINT OR SOLE)  
(Under 37 CFR § 1.63; with Power of Attorney) 332-2130  
CURTIS, MORRIS & SAFFORD, P.C. File No. ....

I, a below named inventor, I hereby declare that:  
My residence, post office address and citizenship are as stated below next to my name.  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ENTITLED:  
SYSTEM AND METHOD FOR DISTRIBUTING LOTTERY TICKETS

the specification of which

☐ is attached hereto.

☒ was filed on December 3, 1987 as Application Serial No. 07/128,070

with amendment(s) through ..... (if applicable, give dates).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) [list additional applications on separate page]: Priority Claimed:  
Number: Country: Filed (Day/Month/Year): Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s) [list additional applications on separate page]:  
Application Serial No.: Filed (Day/Month/Year): Status (patented, pending, abandoned):

I hereby appoint Gregor N. Neff, Registration No. 20,596, and Abigail F. Cousins, Registration No. 29,292, and CURTIS, MORRIS & SAFFORD, P.C., Registration No. 12761, or their duly appointed associate, my attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

Gregor N. Neff, Esq. Direct all telephone calls to: (212) 840-3333  
c/o CURTIS, MORRIS & SAFFORD, P.C. to the attention  
530 Fifth Avenue  
New York, New York 10036 of Gregor N. Neff

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVENTOR(S): Signature: Robert L. Burr Date: 2/10/88

Full name of sole or first inventor: Robert L. Burr  
Residence: 7515 Charming Drive, Suite 1407, San Diego, California  
Citizenship: U.S.A.

Signature: Date:

Full name of 2nd joint inventor (if any): Laird A. Campbell  
Residence: Rt. 2, Box 223, Lacey's Springs, Alabama  
Citizenship: U.S.A.

Signature: Date:

Full name of 3rd joint inventor: Donald H. Keagle  
Residence: 2018 Hensel Avenue, Huntsville, Alabama  
Citizenship: U.S.A.

[Similarly list additional inventors on separate page]

Post Office Address(es) of inventor(s):  
[if different from residence]

Note: In order to qualify for reduced fees available to Small Entities, each inventor and any other individual or entity having rights to the invention must also sign an appropriate separate "Verified Statement (Declaration) Claiming [or Supporting a Claim by Another for] Small Entity Status" form [e.g. for Independent Inventor, Small Business Concern, Nonprofit Organization, individual Non-Inventor].

DECLARATION FOR PATENT APPLICATION (continued)

CURTIS, MORRIS & SAFFORD, P.C. File No. 332-2130

INVENTOR(S) [Additional]

Signature: ..... Date: .....  
Full name of 4th joint inventor: Alfred L. Fulton  
Residence: 9423 O Jay Drive, Huntsville, Alabama 35803  
Citizenship: U.S.A.

Signature: ..... Date: .....  
Full name of 5th joint inventor:  
Residence:  
Citizenship:

Signature: ..... Date: .....  
Full name of 6th joint inventor:  
Residence:  
Citizenship:

Signature: ..... Date: .....  
Full name of 7th joint inventor:  
Residence:  
Citizenship:

Post Office Address(es) of inventor(s):  
[if different from residence]

Prior Foreign Application(s) [additional]  
Number: Country:

Filed (Day/Month/Year):

Priority Claimed:  
Yes No

Prior U.S. Application(s) [additional]  
Application Serial No.: Filed (Day/Month/Year):

Status (patented, pending, abandoned)



DECLARATION FOR PATENT APPLICATION (Joint or Sole)  
(Under 37 CFR § 1.63; with Power of Attorney)

CURTIS, MORRIS & SAFFORD, P.C. File No. 332-2130

I, below named inventor, I hereby declare that:  
My residence, post office address and citizenship are as stated below next to my name,  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first  
and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a  
patent is sought on the invention ENTITLED:  
SYSTEM AND METHOD FOR DISTRIBUTING LOTTERY TICKETS

the specification of which

☐ is attached hereto.

☒ was filed on December 3, 1987 as Application Serial No. 07/128,070  
with amendment(s) through (if applicable, give dates).

I hereby state that I have reviewed and understand the contents of the above identified specification,  
including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application  
in accordance with Title 37, Code of Federal Regulations, § 1.56 (a).

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cation(s) for patent or inventor's certificate listed below and have also identified below any foreign applica-  
tion for patent or inventor's certificate having a filing date before that of the application on which priority  
is claimed:

Prior Foreign Application(s) [list additional applications on separate page]:  
Number: Country: Filed (Day/Month/Year): Priority Claimed: Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s)  
listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in  
the prior United States application in the manner provided by the first paragraph of Title 35, United States  
Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal  
Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or  
PCT international filing date of this application:

Prior U.S. Application(s) [list additional applications on separate page]:  
Application Serial No.: Filed (Day/Month/Year): Status (patented, pending, abandoned):

I hereby appoint Gregor N. Neff, Registration No. 20,596  
and Abigail P. Cousins, Registration No. 29,292  
and CURTIS, MORRIS & SAFFORD, P.C., Registration No. 12761, or their duly appointed associate, my  
attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations  
and amendments therein, to file continuation and divisional applications thereof, to receive the Patent, and  
to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and  
specify that all communications about the application are to be directed to the following correspondence  
address:

Gregor N. Neff, Esq. Direct all telephone calls to: (212) 840-3333  
c/o CURTIS, MORRIS & SAFFORD, P.C. to the attention  
530 Fifth Avenue  
New York, New York 10036 of Gregor N. Neff

I hereby declare that all statements made herein of my own knowledge are true and that all statements  
made on information and belief are believed to be true; and further that these statements were made with  
the knowledge that willful false statements and the like so made are punishable by fine or imprisonment,  
or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements  
may jeopardize the validity of the application or any patent issued thereon.

INVENTOR(S):

Signature: Date:

Full name of sole or first inventor: Robert L. Burr  
Residence: 7515 Charmant Drive, Suite 1407, San Diego, California  
Citizenship: U.S.A.

Signature: Laird A. Campbell Date: Feb. 10, 1988

Full name of 2nd joint inventor (if any): Laird A. Campbell  
Residence: Rt. 2, Box 223, Laceys Springs, Alabama  
Citizenship: U.S.A.

Signature: Donald H. Keagle Date: Feb. 19, 1988

Full name of 3rd joint inventor: Donald H. Keagle  
Residence: 2018 Hensel Avenue, Huntsville, Alabama  
Citizenship: U.S.A.

[Similarly list additional inventors on separate page]

Post Office Address(es) of inventor(s):  
[if different from residence]

Note: In order to qualify for reduced fees available to Small Entities, each inventor and any other individual  
or entity having rights to the invention must also sign an appropriate separate "Verified Statement (Declara-  
tion) Claiming [or Supporting a Claim by Another for] Small Entity Status" form [e.g. for Independent  
Inventor, Small Business Concern, Nonprofit Organization, individual Non-Inventor]

DECLARATION FOR PATENT APPLICATION (continued)

CURTIS, MORRIS & SAFFORD, P.C. File No. 332-2130

INVENTOR(S) [Additional]

Signature: Alfred L. Fulton Date 10 Feb 88  
Full name of 4th joint inventor: Alfred L. Fulton  
Residence: 9423 O'Jay Drive, Huntsville, Alabama 35803  
Citizenship: U.S.A.

Signature: ..... Date: .....  
Full name of 5th joint inventor:  
Residence:  
Citizenship:

Signature: ..... Date: .....  
Full name of 6th joint inventor:  
Residence:  
Citizenship:

Signature: ..... Date: .....  
Full name of 7th joint inventor:  
Residence:  
Citizenship:

Post Office Address(es) of inventor(s):  
[if different from residence]

Prior Foreign Application(s) [additional]  
Number: Country:

Filed (Day/Month/Year):

Priority Claimed:  
Yes No

Prior U.S. Application(s) [additional]  
Application Serial No.: Filed (Day/Month/Year):

Status (patented, pending, abandoned)

332-2130  
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ROBERT L. BURR et al.

Serial No.: 07/128,070

Filed : December 3, 1987

For : SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY  
TICKETS

I hereby certify that this correspondence is being  
deposited with the United States Postal Service  
as first class mail in an envelope addressed to:  
Commissioner of Patents and Trademarks,  
Washington, D.C. 20231, on March 11, 1988

Abigail F. Cousins, Reg. No. 29,292

Name of Applicant, Assignee or Registered  
Representative

Abigail F. Cousins  
Signature

March 11, 1988

Date of Signature

VERIFIED STATEMENT OF FACTS BY ORIGINALLY NAMED  
JOINT INVENTORS

Hon. Commissioner of Patents & Trademarks  
Washington, D.C. 20231

Sir:

We, Robert L. Burr, Laird A. Campbell and Donald

H. Keagle state that:

1. Robert L. Burr, Laird A. Campbell and Donald  
H. Keagle are the inventors named on the title page of the  
above-identified Application Serial No. 07/128,070, filed  
December 3, 1987 without a Declaration for SYSTEM AND METHOD  
FOR DISTRIBUTING LOTTERY TICKETS.

2. The invention defined in the claims of said  
application was invented jointly by Robert L. Burr, Laird A.  
Campbell, Donald H. Keagle and Alfred L. Fulton.

3. The invention defined in the claims of said  
application was developed for and now is included in a  
product commercially sold by SCI Technology, Inc., an  
assignee of said application. This product incorporates  
various aspects of the present invention for which said  
patent application was prepared and filed.

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4. The invention described and claimed in said Application Serial No. 07/128,070 was originally conceived in part by Robert L. Burr and was further conceived and developed at SCI Technology, Inc. by Laird A. Campbell, Donald H. Keagle and Alfred L. Fulton.

5. At the time of the preparation of said Application Serial No. 07/128,070, during the latter half of November and the beginning of December, 1987 and at the time of its filing on December 3, 1987, Robert L. Burr firmly believed that the invention defined by the claims of this application had been invented jointly by him with certain employees of SCI, Technology, Inc., and relied on the identification of joint inventorship supplied to him by SCI Technology, Inc. Further, at the time of the preparation and filing of said application, Laird A. Campbell and Donald H. Keagle each firmly believed that the invention defined by the claims of said application were developed jointly by them with Robert L. Burr, and did not appreciate that Alfred L. Fulton was entitled to be named as a joint inventor. In view of this belief, the application was filed with a title page naming Robert L. Burr, Laird A. Campbell and Donald (H.) Keagle as the joint inventors of the invention described and claimed therein.

6. Subsequent to the filing of the application on December 3, 1987 without a Declaration, in late December, 1987 and January, 1988, we discovered that, in fact, the invention defined by the claims of said application was developed jointly by Robert L. Burr, Laird A. Campbell, Donald H. Keagle and Alfred L. Fulton, also an employee of SCI Technology, Inc. The conclusion that an inadvertent error had occurred was reached by January 20, 1988.

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7. Robert L. Burr, Laird A. Campbell and Donald H. Keagle permitted the filing of said application with a title page naming only themselves as joint inventors without any deceptive intent.

8. It is our firm belief, in view of the fact that the invention described and claimed in said application was developed in conjunction with an overall product embodying the same and that various features and aspects of the present invention are combined in said product and the product was developed by and as a result of contributions from several individuals, that the preparation and filing of said application without naming Alfred L. Fulton as a joint inventor was because of inadvertence, confusion and mistake.

9. Upon the discovery of the facts supporting the naming of Alfred L. Fulton as a fourth joint inventor, these facts were promptly and with diligence communicated to Abigail F. Cousins and Curtis, Morris & Safford, P.C., requesting that they take the necessary action to correct such error and to amend said application to include Alfred L. Fulton with Robert L. Burr, Laird A. Campbell and Donald H. Keagle as joint inventors of the invention described and claimed in said application.

The undersigned further declare that all statements made herein of their own knowledge are true and that all statements on information or belief are believed to be true; and further that these statements are made with the

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PATENT

knowledge that willful and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

ROBERT L. BURR

Date: \_\_\_\_\_

Laird A. Campbell  
LAIRD A. CAMPBELL

Date: Feb 10 1988

Donald H. Keagle  
DONALD H. KEAGLE

Date: 2-10-1988

AC:AC7:15



332-2130  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ROBERT L. BURR et al.

Serial No.: 07/128,070

Filed : December 3, 1987

For : SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY  
TICKETS

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as first class mail in an envelope addressed to:  
Commissioner of Patents and Trademarks,  
Washington, D.C. 20231, on March 11, 1988

Abigail F. Cousins, Reg. No. 29,292  
Name of Applicant, Assignee or Registered  
Representative

Abigail F. Cousins  
Signature

March 11, 1988

Date of Signature

VERIFIED STATEMENT OF FACTS BY OMITTED JOINT INVENTOR

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

I, Alfred L. Fulton, state that:

1. Robert L. Burr, Laird A. Campbell and Donald  
H. Keagle are the inventors named on the title page of  
Application Serial No. 07/128,070, filed on December 3,  
1987, without a Declaration for SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY TICKETS.

2. The invention defined in the claims of said  
application was invented jointly by Robert L. Burr, Laird A.  
Campbell, Donald H. Keagle and myself.

3. The invention defined in the claims of said  
application was developed for and is now included in a  
product commercially sold by SCI Technology, Inc., an  
assignee of said application and by whom I am employed.  
This product incorporates various aspects of the present  
invention for which said application was prepared and filed.

4. The invention described and claimed in said  
application was originally conceived in part by Robert L.  
Burr and was further conceived and developed at SCI  
Technology, Inc. by Laird A. Campbell, Donald H. Keagle and

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PATENT

myself. However, at the time of the preparation and filing of said application in the latter half of November and early December, 1987, I was not aware of my entitlement to be named as a joint inventor. As soon as I learned of my entitlement and that said application had been filed without naming me as joint inventor, I approached the other named inventors at SCI Technology, Inc. and further discussed with them and representatives of SCI Technology, Inc. the facts concerning the development of the invention described and claimed in said application. By January 20, 1988, it was determined that an error had been inadvertently made in omitting my name as a joint inventor.

5. It is my firm belief, in view of the fact that the invention described and claimed in said application was developed in conjunction with an overall product embodying the same and that various features and aspects of the present invention are combined in said product and that the product was developed by and as a result of contributions from several individuals, that therefore it was because of inadvertence, confusion and mistake that I was erroneously omitted from the title page of said application and was erroneously not named as joint inventor without any deceptive intent on my part or on the part of any of the other three joint inventors.

6. Upon discovering the foregoing, these facts were promptly and with diligence communicated to Abigail F. Cousins and Curtis, Morris & Safford, P.C. requesting that they take the necessary action to correct such error and to amend said application to name Robert L. Burr, Laird A. Campbell, Donald H. Keagle and Alfred L. Fulton as joint

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PATENT

inventors of the invention described in the claims in said application.

The undersigned declares further that all statements made herein of his own knowledge are true and that all statements made on information or belief are believed to be true; and further that these statements are made with the knowledge that willful and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

  
\_\_\_\_\_  
ALFRED L. FULTON

10 Feb 88  
Date: \_\_\_\_\_

AFC:AC7:16

332-2130  
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ROBERT L. BURR et al.

Serial No.: 07/128,070

Filed : December 3, 1987

For : SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY  
TICKETS

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deposited with the United States Postal Service  
as first class mail in an envelope addressed to:  
Commissioner of Patents and Trademarks,  
Washington, D.C. 20231, on March 11, 1988

Abigail F. Cousins, Reg. No. 29,292  
Name of Applicant, Assignee or Registered  
Representative

Abigail F. Cousins  
Signature

March 11, 1988  
Date of Signature

CONSENT OF ASSIGNEE

The Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

The undersigned, on behalf of an Assignee of the  
above-identified application consisting of Lottery Concepts  
International and Robert L. Burr as joint owners, is  
authorized to and hereby does consent to the amendment of  
this application to add Alfred L. Fulton as a joint inventor  
on behalf of the above-identified Assignee.

LOTTERY CONCEPTS  
INTERNATIONAL AND  
ROBERT L. BURR

By: [Signature]  
Robert L. Burr

Date: 2/18/88

AC:AC7:15

332-2130  
PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ROBERT L. BURR et al.

Serial No.: 07/128,070

Filed : December 3, 1987

For : SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY  
TICKETS

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Commissioner of Patents and Trademarks,  
Washington, D. C. 20231, on March 11, 1988

Abigail F. Cousins, Reg. No. 29,292

Name of Applicant, Assignee or Registered  
Representative

Signature

March 11, 1988

Date of Signature

CONSENT OF ASSIGNEE

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

The undersigned, an officer of SCI Technology,  
Inc., an Assignee of the above-identified application, is  
authorized to and hereby does consent to the amendment of  
this application to add Alfred L. Fulton as a joint inventor  
on behalf of SCI, Technology, Inc.

SCI Technology, Inc.

By:

Date: Feb 12, 1988

AC:AC7:15



UNITED STATES DEPARTMENT OF COMMERCE  
 Patent and Trademark Office  
 ASSISTANT SECRETARY AND COMMISSIONER  
 OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20231

#4

**COPY MAILED**

**MAY 31 1988**

**OFFICE OF ASSISTANT  
 COMMISSIONER FOR PATENTS**

In re Application of :  
 Robert L. Burr, et al :  
 Serial No. 07/128,070 : DECISION ON PETITION  
 Filed: December 3, 1987 : UNDER 37 CFR 1.48(a)  
 For: SYSTEM AND METHOD FOR :  
 DISTRIBUTING LOTTERY :  
 TICKETS :

This is a decision on the petition under 37 CFR 1.48(a) filed March 16, 1988, requesting that the name of the inventors in the application be corrected. The petition is being decided by the undersigned rather than in the examining group so that application processing, including the issuance of the filing receipt, may proceed with the actual inventors being named in the application.

This application was filed on December 3, 1987, pursuant to 37 CFR 1.53(b) without an executed oath or declaration.

Application Branch mailed a Notice To File Missing Parts Of Application Under 37 CFR 1.53(d) on January 14, 1988, requiring an oath or declaration in compliance with 37 CFR 1.63 and a surcharge. In response thereto, applicants timely filed (with a petition and fee for a one month extension of time), inter alia, the petition and fee, the surcharge, declarations under 37 CFR 1.63, a verified statement of facts by the original named inventors and written consents of the assignees.

The petition and verified statement of facts show that an error occurred in failing to name Alfred L. Fulton as a co-inventor, that Burr had jointly invented the claimed subject matter with employees of SCI, Technology, Inc (SCI); that Burr relied on the inventorship identification supplied to him by SCI (presumably in informing patent counsel), that in view of the various features developed by different individuals not of the same organization Fulton was inadvertently not named due to confusion and mistake. The error was discovered by January 20, 1988. The petition and verified statement of facts show that the error occurred without deceptive intent.

The petition to correct inventorship is granted.

The application is being returned to the Special Handling Unit of Application Branch for further processing with the names of the

Serial No. 07/128,070

-2-

inventors as shown on the executed declarations under 37 CFR 1.63  
filed on March 16, 1988.

*H. Bernstein*  
Hiram H. Bernstein  
Special Program Examiner  
Office of the A/C for Patents

*MT*

Conferee: J. Michael Thesz

Gregor N. Neff, Esq.  
C/O Curtis, Morris & Safford, P.C.  
530 Fifth Avenue  
New York, NY 10036

PATENT  
332-2130

4/5

NOV 15 1987

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert L. Burr et al.  
Serial No. : 07/128,070  
Filed : December 3, 1987 Group 230  
For : SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY TICKETS

530 Fifth Avenue  
New York, New York 10036  
November 14, 1988

POWER TO INSPECT  
AND COPY APPLICATION

Hon. Commissioner of Patents and Trademarks  
Washington, D. C. 20231

Sir:

We hereby grant Ms. Patsy M. Paxton and  
Ms. Katherine L. Cantwell, Cantwell and Paxton, Inc.,  
2001 Jefferson Davis Highway, Suite 1003, Arlington, Virginia  
22202-3603, the power to inspect and make copies of the above-  
identified patent application.

Respectfully submitted,

CURTIS, MORRIS & SAFFORD, P.C.

By Gregor N. Neff  
Gregor N. Neff  
Reg. No. 20596  
Attorneys for Applicants  
530 Fifth Avenue  
New York, New York 10036  
(212) 840-3333



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAddress: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
07/128,070	12/03/87	BURR	R 332-2130

CURTIS, MORRIS & SAFFORD  
530 FIFTH AVENUE  
NEW YORK, NY 10036

EXAMINER	
RUGGIERO, J	
ART UNIT	PAPER NUMBER
236	6

DATE MAILED:

02/03/89

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

- ☒ This application has been examined ☐ Responsive to communication filed on \_\_\_\_\_ ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), \_\_\_\_\_ days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

## Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892.       | 2. <input checked="" type="checkbox"/> Notice re Patent Drawing, PTO-948.       |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449                        | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input checked="" type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474 | 6. <input type="checkbox"/> _____   |

## Part II SUMMARY OF ACTION

1. ☒ Claims 1-49 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☐ Claims \_\_\_\_\_ are allowed.
4. ☒ Claims 1-49 are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☒ This application has been filed with informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.
8. ☐ Allowable subject matter having been indicated, formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. These drawings are ☐ acceptable;  
☐ not acceptable (see explanation).
10. ☐ The ☐ proposed drawing correction and/or the ☐ proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed \_\_\_\_\_, has been ☐ approved. ☐ disapproved (see explanation). However, the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO EFFECT DRAWING CHANGES", PTO-1474.
12. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

PTOL-726 (Rev. 7-82)

EXAMINER'S ACTION

Serial No. 128,070

-2-

1. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

2. The disclosure is objected to because of the following informalities: At claim 11, line 2, "on" should be changed to "an" for proper syntax.

Appropriate correction of the disclosure is required.

3. Claims 15-19 and 28-47 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 15, line 4, it appears that the word "rotations" should be changed to locations. Claims 16-19 incorporate the deficiencies of claim 15 by dependence. In claim 30, the wording "manually accessible outlet ..." is repeated at line 14. Claims 31-45 incorporate the deficiencies of claim 30 by dependence. In claim 28, line 2, the intended meaning of the wording "selectively placeable" is unclear in the claimed context. Claim 29 incorporates the deficiency of claim 28 by dependence. In claim 46, there is no antecedent reference for "said unit". Claim 47 incorporates the deficiency of claim 46 by dependence. In addition, the wording "said bursting" in claim 44 lacks antecedent basis. Also in claim 39, there is no

Serial No. 128,070

-3-

antecedent basis for "said determining means". It would appear that claim 39 should ultimately be dependent on claim 34.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless-

5. (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent.

6. Claims 1-20 and 46-48 are rejected under 35 U.S.C. 102a as being anticipated by Koza et al.

Koza et al discloses an amusement gaming system which includes a lottery ticket dispenser, col. 3, line 62. Included are a central processor 24, a plurality of remote units 20 which dispense tickets, each of the remote units including a terminal controller 70 which among other things, stores data in memory, col. 13, line 8. Further, a communication means 22 couples the remotes 20 with the central processor 24. The communication means included a modem, col. 6, line 45, 142, col. 9, line 30 wherein messages are transmitted at selected at selected intervals, col. 19, line 5. These messages include account request data. col. 6 line 64. The remote unit farther includes a message display 34 and a printer 60 which prints the lottery tickets, col. 4, line 35. With regard to claim 20, the remote

Serial No. 128,070

-4-

terminal 20 of Koza et al includes the requisite box-like module, control panel, ticket storage and ticket dispensing means. It is noted that the playing of an amusement game results in the dispensing of a lottery ticket under control of game logic 51. With regard to claims 46-48, it is noted that Koza et al provides for the detection and storage of information relating to the opening and closing of remote terminal doors.

7. The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) and (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

8. Claims 20-25, 30 and 41 are rejected under 35 U.S.C. 103 as being unpatentable over Hartmann.

Hartmann discloses a lottery ticket dispenser including module, ticket storage means, control panel 20 and ticket dispenser means (microprocesor 70) responsive

Serial No. 128,070

-5-

to the control panel. Further, a ticket number specification signal is provided as discussed at col. 2, line 62 and col. 4, line 51. Also, the tickets in Hartman are stored in a fan-fold stream separable along perforated lines of weakness 22 to be separated by separating means 30. As such, Hartman discloses the invention substantially as claimed with the exception that tickets are dispensed at the front surface of the dispensing module where the control panel is located. However, the location of the dispensing outlet is clearly a matter of design choice. To locate the dispensing outlet at the back surface would be an obvious modification and well within the scope of the patent to Hartmann.

9. Claims 26, 31-33, 36-38 are rejected under 35 U.S.C. 103 as being unpatentable over Hartmann in view of Roetter et al. The merits of Hartmann have been discussed in par. 8, above. In addition, Hartmann provides for the determination of ticket length and includes<sup>2</sup> leading edge detector. It is recognized that Hartmann uses a rotary cutter to separate the tickets rather than a bursting operation as claimed. However, bursting apparatus for separating webs of material along lines of weakness is well known as exemplified by Roetter et al. The advantages of the bursting operation are discussed at cols. 1 and 2 of Roetter et al. Further, the application of a bursting apparatus to a ticket dispenser is at least implied at col. 1, lines 35. It would be obvious to apply a bursting technique

Serial No. 128,070

-6-

to the system of Hartmann to separate the tickets therein in view of the advantages suggested by Roetter et al.

10. Claim 40 is rejected under 35 U.S.C. 103 as being unpatentable over Hartmann in view of Koza et al.

The merits of Hartmann have been discussed in par. 8, above. As such, Hartmann discloses the claimed invention with the exception of the feature of detecting opening of the ticket storage door. However, as discussed in par. 6, above, Koza et al clearly discloses such detection and advantage of same at col. 24, lines 11-15. It would be obvious to provide such door access detection feature in the system of Hartmann in view of the teachings of Koza et al.

11. Claims 27-29, 42-45 and 49 are rejected under 35 U.S.C. 103 as being unpatentable over Troy et al <sup>in view of Hartmann. Troy et al</sup> discloses a wagering system in which tickets are dispensed, Figs. 8 and 9 and in which the player console, Fig. 1, communicates with central processor 144, Fig. 2 over modem 146, for example. The console is provided with a display 128 for displaying messages from central processor 144. In addition, Troy et al provides printing apparatus for printing checks, etc., Fig. 10, which, among other things, includes printing of vendor identification, col. 19, lines 38. As such, Troy et al discloses the claimed invention with the exception of the features of ticket number specification and fax-fold storage with separation along lines of weakness. However, these features are disclosed by

Serial No. 128,070

-7-

Hartmann along with advantage of same as discussed in par. 8, above. It would be obvious to provide such ticket number specification and fan-fold separation features in the system of Troy et al in view of the teachings of Hartmann.

12. Claims 34 and 35 would be allowable if rewritten to overcome the rejection under 35 U.S.C. 112 and to include all of the limitations of the base claim and any intervening claims.

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to J.F. Ruggiero whose telephone number is (703) 557-0470.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 557-2878.

*Joseph Ruggiero*  
JOSEPH RUGGIERO  
PRIMARY EXAMINER  
ART UNIT 236

RUGGIERO:ert

1/24/89

GTECH 000669

**MISSING PAGE(S) FROM THE  
U.S. PATENT OFFICE  
OFFICIAL FILE WRAPPER**

#6- PTO 1474 pen

**Patent Imaging Corporation  
Patent Legal and Scientific Information Service  
2001 Jefferson Davis Highway  
Crystal Plaza One, Suite 600  
Arlington, VA 22202-3610  
(703) 553-0000**



PTO - 948  
(Rev. 8-82)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTACHMENT TO PAPER NUMBER	6
S.N.	128070

GROUP

## NOTICE OF PATENT DRAWINGS OBJECTION

Drawing Corrections and/or new drawings may only be submitted in the manner set forth in the attached letter, "Information on How to Effect Drawing Changes" PTO-1474.

A. ☒ The drawings, filed on 12-3-87, are objected to as informal for reason(s) checked below:

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Lines Pale.                          | 11. <input type="checkbox"/> Parts in Section Must Be Hatched.   |
| 2. <input checked="" type="checkbox"/> Paper Poor.               | 12. <input type="checkbox"/> Solid Black Objectionable.  |
| 3. <input type="checkbox"/> Numerals Poor.                       | 13. <input type="checkbox"/> Figure Legends Placed Incorrectly.  |
| 4. <input checked="" type="checkbox"/> Lines Rough and Blurred.  | 14. <input type="checkbox"/> Mounted Photographs.  |
| 5. <input type="checkbox"/> Shade Lines Required.                | 15. <input type="checkbox"/> Extraneous Matter Objectionable.<br>[37 CFR 1.84 (1)]   |
| 6. <input type="checkbox"/> Figures Must be Numbered.            | 16. <input type="checkbox"/> Paper Undersized; either 8 1/2" x 14",<br>or 21.0 cm. x 29.7 cm. required.  |
| 7. <input type="checkbox"/> Heading Space Required.              | 17. <input type="checkbox"/> Proper A4 Margins Required:<br><input type="checkbox"/> TOP 2.5 cm. <input type="checkbox"/> RIGHT 1.5 cm.<br><input type="checkbox"/> LEFT 2.5 cm. <input type="checkbox"/> BOTTOM 1.0 cm. |
| 8. <input type="checkbox"/> Figures Must Not be Connected.       | 18. <input checked="" type="checkbox"/> Other:   |
| 9. <input type="checkbox"/> Criss-Cross Hatching Objectionable.  | <i>Descriptive matter</i>  |
| 10. <input type="checkbox"/> Double-Line Hatching Objectionable. | <i>obj.</i>  |

B. ☒ The drawings, submitted on 12-3-87, are so informal they cannot be corrected. New drawings are required. Submission of the new drawings MUST be made in accordance with the attached letter.

FORM PTO-892 (REV. 3-78)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 128,070		GROUP/ART UNIT 236		ATTACHMENT TO PAPER NUMBER 6						
NOTICE OF REFERENCES CITED				APPLICANT(S) R. L. BURR et al										
U.S. PATENT DOCUMENTS														
		DOCUMENT NO.						DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE		
A	4	6	5	2	9	9	8	3-1987	KOZA et al	364	900	X		
B	4	7	1	6	7	9	9	1-1988	HARTMANN	364	479	X	8-12-86	
C	4	2	6	1	4	9	7	4-1981	ROETTER et al	225	100			
D	4	4	9	4	1	9	7	1-1985	TROY et al	364	960	X		
E	3	9	3	1	7	6	1	1-1976	CARRUS	364	908			
F	4	2	7	5	4	5	6	6-1981	TANAKA et al	364	908			
G	4	3	2	2	6	1	2	3-1982	LANGE	364	412	X		
H	4	3	7	3	7	2	6	2-1983	CHURCHILL et al	273	139	X		
I	4	7	0	4	5	1	8	11-1987	BRUNN et al	364	412	X		
J														
K														
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NO.						DATE	COUNTRY	NAME	CLASS	SUB- CLASS	PERTINENT SHTS. DWG	PP. SPEC.
L														
M														
N														
O														
P														
Q														
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)														
R														
S														
T														
U														
EXAMINER RUGGIERO								DATE 1-12-89						
* A copy of this reference is not being furnished with this office action. (See Manual of Patent Examining Procedure, section 707.05 (a).)														



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3390-2010

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert L. Burr, et al.  
Serial No.: 128,070  
Filed : December 3, 1987  
For : SYSTEM AND METHOD FOR DISTRIBUTING LOTTERY TICKETS  
Examiner : J. Ruggiero  
Art Unit : 230

RECEIVED

MAY 15 1989

UNIT 230

530 Fifth Avenue  
New York, New York 10036  
May 17, 1989

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on May 17, 1989.

Gregor N. Neff

Name of Applicant or Registered Representative

Gregor Neff  
Signature

May 17, 1989

Date

PETITION FOR EXTENSION OF TIME

Hon. Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Sir:

Under the provisions of 37 CFR 1.136(a), applicants hereby petition for an extension of time to file the response due May 3, 1989 in the above-identified application.

070 05/23/89 128070

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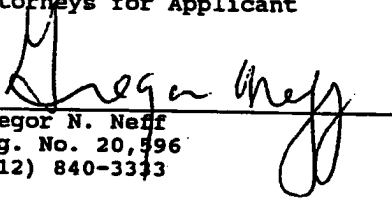
The requested extension of time is one month, i.e. to June 3, 1989, and applicants enclose herewith a check in the amount of \$62.00 in payment of the statutory fee therefor. Please charge any additional fees or credit any excess to our Deposit Account No. 03-3925.

This Petition is filed together with a Response to the Office Action of February 3, 1989.

Respectfully submitted,

CURTIS, MORRIS & SAFFORD, P.C.  
Attorneys for Applicant

By:

  
Gregor N. Neff  
Reg. No. 20,596  
(212) 840-3313



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Robert L. Burr, et al.

Serial No. 128,070

Examiner: J. Ruggiero

Filed December 3, 1987

Group No. 230

For: SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY TICKETS.

Date: May 17, 1989

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20237

Sir: Transmitted herewith is an amendment in the above-identified application.

☐ No additional fee is required.

The fee has been calculated as shown below.

☐ This is an application of a  
small entity under 37 CFR  
1.9(f), and the amounts shown  
in parentheses apply.

Claims as Amended						
(1)	(2) Claims remaining after amendment	(3)	(4) Highest number previously paid for	(5) Present extra	(6) Rate	(7) Additional fee
Total claims	* 48	Minus	** 49 *	0 X		= 0
Independent claims	* 9	Minus	*** 7 *	2 X	\$36	\$72
Total additional fee for this amendment						\$72.00

\* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.  
space.\*\* If the Highest number of total claims previously paid for is less than 20, write "20" in this  
space.\*\*\* If the highest number of independent claims previously paid for is less than 3, write "3" in this  
space.☐ This application contains a multiple dependent claim. The required fee of  
\$110(\$55) has been previously paid ☐ or is paid herewith ☐☒ This response is being filed within the ☒ first month, ☐ second month,  
☐ third month, ☐ fourth month following the expiration of the term originally set  
therefor, and the fee of ☐ \$56(28), ☐ \$170(85), ☐ \$390(195), ☐ \$610(305) for the  
required extension is due and ☐ paid herewith.☒ A check in the amount of \$72.00 is attached.☐ Charge \$ to Deposit Account No. 03-3925.☒ Please charge any additional fees incurred by reason of this response or credit  
any overpayment to Deposit Account No. 03-3925. A duplicate copy of this  
sheet is enclosed.CURTIS, MORRIS & SAFFORD, P.C.  
Attorneys for Applicant(s)By Gregor N. Neff  
Gregor N. Neff  
Registration No. 20,596  
Tel. 212-840-3333



72.00 105 27  
8/a

PATENT  
3390-2010

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5/30/89  
Copeland

Applicant: Robert L. Burr, et al.  
Serial No.: 128,070  
Filed: December 3, 1987  
For: SYSTEM AND METHOD FOR DISTRIBUTING  
LOTTERY TICKETS  
Examiner: J. Ruggiero  
Group: 230

530 Fifth Avenue  
New York, New York 10036  
May 17, 1989.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on May 17, 1989.

Gregor N. Neff

Name of Applicant or Registered Representative

Signature

May 17, 1989

Date

AMENDMENT

Honorable Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Sir:

In response to the official action of February 3, 1989,  
please amend the above-identified patent application as follows:

gn/3390.amd 070 05/23/89 128070

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PATENT  
3390-2010

IN THE SPECIFICATION

On page 1, line 1, delete "SYSTEM AND METHOD FOR  
DISTRIBUTING LOTTERY TICKETS".

Page 3

line 1, change "important" to -- desirable --;

line 2, after "necessary" insert a comma;

line 3, after "reasons", insert a comma;

line 7, change "are" to -- is --;

line 9, change "in", first occurrence, to -- of --

and change "provide the tickets in a" to -- dispense tickets --;

line 10, insert -- stored in -- before "fan-fold";

change "stream" to -- form --;

line 11, change "double feeding present" to --

unintentionally dispensing too many tickets --;

line 14, after "lengths." insert ~~Furthermore,~~

tickets easily can slip in the dispensing mechanism, or for other  
reasons can be fed inaccurately. ~~;~~

line 14, change "It" to -- Therefore, it --;

line 15, after "a" insert -- ticket --; delete

"within the dispensing unit";

line 16, change "the stream" to -- one another --;

line 18, change "since again for security reasons"

to -- despite the variation in the --;

gn/3390.amd

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PATENT  
3390-2010

line 19, delete "generally only complete tickets  
are redeemable." and insert ~~+~~ size of tickets and slippage or  
inaccuracy in the dispensing mechanism. ~~+~~.

Page 4,

line 2, insert a hyphen between "system" and  
"wide";

line 28, after "fan-fold" insert -- strip or --.

Page 8, line 22, change "partial elevational  
mechanical" to -- perspective --.

Page 9,

line 1, change "an elevational mechanical" to -- a  
perspective --;

line 7, change "fundamental" to -- certain --;

line 9, change "DETAILED DESCRIPTION OF THE  
PRESENT INVENTION" to -- GENERAL DESCRIPTION --.

Page 10,

line 2, change "is" to -- can be placed --;

line 3, delete "placeable";

line 6, after "or", insert -- alternatively, it --

line 7, after "be", insert -- located --;

line 9, delete "(Fig. 10)";

line 10, after "between" insert -- each of --;  
change "modem" to -- modems --; after "and" insert -- the --;

line 14, delete "thereat";

gn/3390.amd

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PATENT  
3390-2010

line 19, after "with" insert -- the --; delete  
"central computer";  
line 20, delete "12"; insert a hyphen between  
"dialing" and "up";  
line 21, delete "respective";  
line 22, after "to" insert -- the --;  
line 23, start a new paragraph beginning at  
"Central"; change "can operate" to -- operates --.

Page 11,

line 3, delete "respectively";  
line 6, after "control" insert -- station --;  
line 14, after "12" insert a comma; after "day,"  
insert -- once --;  
line 15, change "week" to -- once each week, --;  
line 21, change "without the" to -- with minimum -  
-; after "without" insert -- the --;

line 22, change "through the mails." to which  
occur when such data is sent by mail."; start a new paragraph  
with "Furthermore,";

line 24, insert hyphens between "up", "to" and  
"the";  
line 26, change "know" to -- determine --;  
line 27, change "stack" to -- stock --;

gn/3390.and

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PATENT  
3390-2010

line 28, insert a period after "out"; change  
"which is a valuable commercial" to -- This capability is  
commercially --;

24 23  
Delete line 29 and replace it with -- advantageous  
and helps to stabilize cash flow. Also, the information A-;

line 30, insert -- can be used to -- before  
"efficiently".

Page 12,

line 1, insert a comma after "separately";  
line 16, change "application to -- use --.

Page 13,

line 5, change "through" to -- thorough --;  
line 8, change "computer" to -- computer --;  
insert -- to -- after "programmed".

line 10, insert hyphens between "up", "to" and  
"the"

Page 14,

line 12, insert -- housing with a -- before  
"front";

line 14, after "behind" insert -- a --; delete  
"A";

line 15, start a new paragraph by inserting "An";  
delete "corresponding,"

line 17, change "important" to -- advantageous --;

line 24, insert a comma after "28".

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Page 15,

line 5, change "32" to -- 28 --;  
line 6, change "may be provided at an" to -- is --  
; delete "angle";  
line 7, after "reasons" insert -- ; that is, --;  
line 8, insert a period after "32"; change "but  
the" to -- The --;  
line 9, after "inclination" insert -- of panel 32  
--;  
line 15, change "prevents" to -- minimizes the  
chances of --;  
line 20, change "within" to -- which is located  
inside of the --;  
line 21, change "unit 40 may be a microprocessor  
based" to -- circuit 40 is a microprocessor-based --;  
line 22, insert a period after "14"; change "and  
is" to -- It will be --;  
line 23, start a new paragraph with "Push-  
buttons";  
line 24, insert a comma after "0-10".

Page 16,

line 1, change "to" to -- into --;  
line 3, insert a hyphen between "sign" and "on";  
line 4, insert a comma after "button", second  
occurrence;

gn/3390.amd

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PATENT  
3390-2010

line 5, delete "entry";  
line 7, start a new paragraph at "In particular,"  
line 9, delete "38";  
line 12, change "display" to -- number --; change  
"device" to -- display;  
line 17, start a new paragraph at  
"Alternatively,";  
line 18, delete "38"; after "then" insert -- the -  
-;  
line 19, delete "38";  
line 20, after "five", delete the comma;  
line 26, delete "when not handling tickets";  
line 27, after "accurate" insert -- when the agent  
is not handling tickets --; start a new paragraph with "Each".

Page 17,

line 1, after "40" insert (Figure 10) --;  
line 2, change "may also" to -- also may --;  
line 3, change "therein" to -- in memory --;  
line 6, after "to" insert -- the --;  
line 7, change "may receive" to -- receives --;  
line 8, after "from" insert -- the --;  
line 11, after "and" insert -- issued --;  
line 13, change "presented at front surface 38  
through slot 39" to -- in the front surface 28, through a slot  
39. --; start a new paragraph at "As mentioned";

gn/3390.amd

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PATENT  
3390-2010

line 16, insert a comma after "customers";  
line 18, change "a", second occurrence, to -- the  
--;

line 19, change "device" to -- display --; after  
"on" insert -- the --;

line 20, delete "and";

line 29, start a new paragraph with  
"Alternatively,";

line 30, change "presented" to -- issued --.

Page 18,

line 3, insert quotations around "off";

line 5, start a new paragraph with "In";

line 6, insert quotations around "normal";

line 9, start a new paragraph at "In"; insert  
quotations around "communication";

line 12, change "unit 14 and" to -- the unit 14  
and the --;

line 14, insert a comma after "12" and "actuated";

line 16, insert a comma after "12";

line 19, start a new paragraph with

"Advantageously,";

line 26, insert a comma after "thereof";

line 28, delete "advertising data indicative of";

line 29, change "may" to -- will --.

Page 19,

gn/3390.amd

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3390-2010

line 2, change "for" to -- (Figure 10) --;  
line 3, change "display." to -- to display the  
message. --;  
after line 3, insert the following heading,  
centered -- TICKET SEPARATOR OR "BURSTER" --  
line 6, change "stream headed by a leading ticket"  
to -- strip or "stream" --;  
line 7, after "in" insert -- most --;  
line 8, change "provided" to -- stored --;  
line 11, change "could accidentally could be  
dispensed" to -- could be dispensed accidentally --;  
line 13, start a new paragraph with "The"; change  
"completely removes" to -- essentially eliminates --  
line 14, change "in place of a" to --  
unintentionally. --;  
line 15, change "single ticket first" to -- This  
is accomplished, in part --; change "a fan-fold" to -- fan-fold  
form, --  
line 16, change "stream and secondly" to -- and --  
;  
line 17, after "separation" insert -- or  
"burster";  
line 19, change "addresses and removes" to --  
alleviates --;  
line 20, start a new paragraph with "In";

gn/3390.amd

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PATENT  
3390-2010

line 24, change "further" to -- often --;  
line 25, change "which may be fed into and  
positively held" to -- so that it can be driven --; after "feed"  
insert -- mechanism --;  
line 26, change "feeding" to -- feed --;  
line 29, insert a comma after "and";  
line 30, insert a comma after "indeed".

Page 20,

line 1, change "The" to -- A -- and start a new  
paragraph;  
line 8, change "folding" to -- fan-folding --;  
line 13, start a new paragraph with "Simply";  
line 15, change "stream" to -- tickets --;  
line 16, insert a period after "ticket"; change  
"and so" to -- Therefore --;  
line 17, after "device" insert -- usually --;  
line 19, start a new paragraph at "The";  
line 26, start a new paragraph at "A".

Page 21,

line 6, after "fan-fold" insert -- strip or --;  
line 8, change "stack 51" to -- fan-fold stack  
form --;  
line 9, after "transportable" insert -- ,  
especially --;

gn/3390.amd

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PATENT  
3390-2010

line 10, after "example," insert -- as many as --  
;  
line 13, start a new paragraph with "Stream";  
change "Stream of tickets 50" to -- Referring now to Figure 6,  
the ticket strip 50 --;  
line 15, after "56", insert a comma; delete "(Fig.  
6)";  
line 17, insert a period after "weakness";  
line 18, delete "56."; start a new paragraph with  
"Stream"; change "Stream of tickets 50" to -- Returning to Figure  
5, ticket strip 50 --  
line 20, after "towards" insert -- the --; insert  
a comma after "34";  
line 23, start a new paragraph with "Leading";  
before "Leading" insert -- The --;  
line 26, after "70", delete "therealong"; delete  
"upper and lower";  
line 27, after "62" insert -- (also see Figure 7)-  
--; delete "upper and lower";  
line 28, delete "upper and lower";  
line 29, after "transport" insert -- the --; after  
"from" insert -- the --; after "to" insert -- the --.  
Page 22,  
line 1, insert a period after "70"; change "while  
upper and lower exit" to -- Exit --;

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line 4, change "A" to -- As shown in Figure 7, a -  
-; delete "(Fig. 8)";  
line 5, delete "upper and lower";  
line 6, change "upper and lower" to -- the --;  
line 9, after "between" insert -- the --;  
line 10, after "to" insert -- the --; after "70,"  
insert -- a --;  
line 13, after "Fig. 5," insert -- and in  
perspective in Figure 7, --;  
line 15, change "important" to -- advantageous --;  
line 18, start a new paragraph at "When";  
line 19, delete "upper and lower";  
line 20, change "are gripping" to -- grip --;  
after "of" insert -- the --;  
line 21, change "upper and lower" to -- exit --;  
delete "are";  
line 22, change "gripping" to grip --; after "of"  
insert -- the --;  
line 29, delete "nevertheless".

Page 23,

line 1, change "stream" to -- strip of --;  
line 2, after "by" insert -- the --;  
line 6, after "burst" insert -- the --;

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replace line 9 with -- at least close to the line.

--;

Delete lines 10, 11, 12;

line 13, delete "certainly will not be properly  
dispensed";

line 14, change "effective" to -- used --;

line 16, insert a period after "70"; change "but  
even" to -- Even --;

line 18, change "weekness" to -- weakness --;

line 19, insert a comma after "70"; change  
"Furthermore, all systems will" to -- As in any such system --;

line 20, change "have" to -- there is --; after  
"tolerance" insert -- which tends to prevent perfect alignment --  
; delete "However,";

line 21, change "in" to -- In --;

line 22, delete "upper and lower";

line 23, delete "upper and lower";

line 24, change "remove" to -- correct --;

line 25, begin a new paragraph at "Specifically,".

Page 24 /

line 1, after "on" insert -- the --;

line 2, change "line of weakness 56" to -- the  
tickets --;

line 3, delete "tickets 52 and 54";

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line 2, change "line of weakness 56" to -- the  
tickets --;

line 3, delete "tickets 52 and 54";

line 4, change "from dispensing path 57, as  
indicated in" to -- downwardly from --;

line 5, delete "a solid line,"; after "at" insert  
-- the --;

line 6, delete "a", second occurrence;

line 7, change "line." to -- lines in the  
drawings. --;

line 8, change "slip along" to -- slip  
longitudinally along the --;

line 9, after V-shaped" insert -- ticket-array --;  
after "with" insert -- the --; begin a new paragraph at "In  
Fig.";

line 10, change "tickets 52 and 54 will tend to  
move" to -- the ticket strip 50 moves --;

replace line 11 with -- arrow B until the line of  
--;

line 13, after "when" insert -- the --;

line 14, after "of" insert -- the --;

line 15, change "tickets" to -- the strip 50 --;

line 16, delete "52 and 54";

line 17, change "reverse feeding stream of  
tickets" to -- reverse-feeding the strip --;

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line 20, change "in accordance with" to -- of --

;

Delete lines 21, 22, 23 and 24.

line 25, change "It will be clear that if" to --

If --.

Page 25

line 6, begin a new paragraph at "As illustrated  
in";

line 9, change "upper and lower" to -- the --;

line 13, change "upper and lower" to -- the --;

after "64" insert -- and --;

line 14, change "upper and lower" to -- the --;

line 15, begin a new paragraph at "As shown ";

change "may be" to -- is --;

line 17, change stream of tickets" to -- the  
ticket strip --;

line 24, change "remote" to -- the dispensing --;

line 27, change "stream" to -- the strip --;

line 29, delete "upper".

Page 26

line 1, delete "and lower"; delete "upper and  
lower";

line 2, change "roller" to -- rollers --;

line 5, delete "from fan";

line 6, delete "fold to fan fold";

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line 10, after "by" insert -- the --;  
line 14, change "stream of tickets" to -- the  
ticket strip --;  
line 15, insert a period after "rollers"; change  
"Although wider" to -- Wider --;  
line 17, insert before "In" -- Referring now to  
Figures 5 and 7, --;  
line 23, change "same" to -- single --;  
line 25, after "in" insert -- Figures 5 --  
line 27, change Fig. 7," to -- and 7, the --;  
after "as" insert -- the --;  
Replace line 28 with -- feed rollers 60 which move  
the --;  
line 29, change "tickets" to -- ticket strip --;  
Page 27,  
line 2, after "40" insert -- (Figure 10) --;  
line 3, change "stream" to -- strip --;  
line 5, begin a new paragraph with "Control";  
line 7, change "reverse fed" to -- reverse-fed, --  
;  
line 14, change "a practical" to -- actuality, --;  
line 16, insert a comma after "inch";  
line 17, delete "embodiment";  
line 20, insert a hyphen between "previously" and  
"entered";

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line 1, change "while" to -- The --; change  
"roller" to -- rollers --;  
line 2, change "in gear" to -- at --;  
line 3, after "96" insert a period"; change "and  
upper exit roller 64 thereby" to -- Upper exit rollers 64 are  
driven by rollers 66. --; begin a new paragraph at "Code";  
line 9, begin a new paragraph at "Burstter";  
line 21, begin a new paragraph at "Burstter";  
line 22, change "one" to -- the --; change "54" to  
-- 52 --;

Page 29, ✓

After line 13, insert the heading centered --  
IMPRINTING --;  
line 21, change "remote" to -- dispensing --;  
line 22, begin a new paragraph at "As";  
line 28, delete "drivingly".

Page 30, ✓

line 3, change "stream" to -- the strip --;  
line 4, insert a comma after "therebetween";  
After line 11, insert, centered, the heading --  
ACCESS MONITORING --;  
line 17, change "(Fig. 10)" to -- (see lower  
right-hand portion of Fig. 10);  
line 18, after "to" insert -- the --;

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line 17, change "(Fig. 10)" to -- (see lower  
right-hand portion of Fig. 10);

line 18, after "to" insert -- the --;

line 19, after "of" insert -- the --; delete  
"118";

line 22, insert a period after "40";

line 23, change "and operation" to -- Operation --

line 25, change "also used to provide the reports"  
to -- issued through the slot 39 - the same tape which is used to  
provide various reports. <sup>a4</sup>;

line 26, delete "through slot 39.";

Page 31,

After line 5, insert, centered, -- CONTROL CIRCUIT

--;

line 6, after "functional" insert -- block --;

line 12, change "118" to -- 122 --;

line 15, begin a new paragraph at "Lid";

line 16, change "112" to -- 122 --;

line 22, begin a new paragraph at "Code".

Page 32,

line 5, begin a new paragraph at "Control";

line 8, change "brown out sensed by brown out" to  
-- "brown-out" sensed by brown-out --;

line 11, change "128 to -- 129 --;

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After line 28, insert, centered, -- FLOW CHARTS --

line 29, before "A" insert -- Figure 12 is --;

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line 1, delete "is illustrated in Fig. 12"

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IN THE CLAIMS:

Cancel claims 1-19, 22, 23, 26, 41 and 47.

Rewrite claims 24, 25, 28, 30, 34, 44, 46 and 48 as

follows:

32~~x~~. (Amended) Apparatus according to claim 21,  
wherein said lottery tickets stored within said ticket storage  
means are connected, and wherein said dispensing means includes  
means for individually separating [tickets] each ticket to be  
dispensed from the remaining tickets regardless of the number of  
tickets being dispensed in one order.

82~~x~~ 425~~x~~. (Amended) Apparatus according to claim 20,  
wherein said <sup>lottery</sup> tickets stored within said ticket storage means are  
connected in a fan-fold stream, said lottery tickets being  
delineated [separated] from each other along lines of weakness,  
82~~x~~ and said separating means [separating] including means for  
bursting said lottery tickets apart along said lines of weakness.

64 426~~x~~. (Amended) Apparatus according to claim 21, 5  
further comprising central data processing means [selectively  
placeable in] and means for selectively connecting said data  
processing means [communication] with said module for  
transmitting at least message data thereto, said message display  
means being responsive to said message data to display a message  
indicative thereof.

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W 30. (Amended) Apparatus for dispensing lottery  
tickets, comprising:

ticket storage means for storing a plurality of lottery  
tickets connected in a fan-fold stream headed by a leading  
ticket, said tickets being separable from each other along lines  
of weakness;

transport means for feeding said stream of tickets from  
said ticket storage means along a predetermined dispensing path;

B separation means for separating said leading ticket  
from said stream of tickets along a leading line of weakness  
between said leading ticket and a next following ticket [manually  
accessible outlet means for receiving the separated ticket] by  
bursting said tickets apart along said leading line; and

manually accessible outlet means for receiving the  
separated ticket..

AS 31. (Amended) Apparatus for dispensing tickets,  
comprising: ticket storage means for storing a plurality of  
tickets connected in a fan-fold stream headed by a leading  
ticket, said tickets being separable from each other along lines  
of weakness; transport means for feeding said stream of tickets  
from said ticket storage means along a predetermined dispensing  
path; separation means for separating said leading ticket from  
said stream of tickets along a leading line of weakness between  
said leading ticket and a next following ticket; and manually  
accessible outlet means for receiving the separated ticket.

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8  
W

wherein said separation means includes a dull-edged bursting blade movably mounted adjacent a predetermined bursting position along said path, holding means for holding said stream of tickets against substantial deflection from said path at said bursting position and bursting blade drive means for bringing said bursting blade into bursting contact with said stream of tickets at said bursting position to burst said leading ticket from said next following ticket wherein said separation means includes feed alignment means for controlling said transport means to bring said leading line of weakness to said bursting position wherein said alignment means includes sensor means for detecting a present position of said leading ticket relative to said bursting position, determining means for determining a transport direction and a displacement distance necessary to bring said leading line of weakness to said bursting position, and transport control means for generating a transport control signal indicative of said transport direction and displacement distance, said transport means being responsive to said transport control signal for transporting said stream of tickets in said transport direction by said displacement distance wherein said transport control means is responsive to transportation of said stream of tickets by a predetermined incremental distance to generate a transport pulse, said determining means calculates an integral number substantially equal to said displacement distance divided by said incremental [distance] distance, and said transport

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g  
control means permits transport by said transport means during  
generation of said number of said transport pulses to bring said  
leading line of weakness to said bursting position.

g  
44. (Amended) Apparatus according to claim 42, ~~44~~  
wherein said imprinter means is located adjacent said path  
upstream of the position of said [bursting position] separation  
means.

g  
46. (Amended) A method of prevent unauthorized  
distribution of [valuable items] lottery tickets, comprising the  
steps of:  
storing a plurality of instant lottery tickets in an  
enclosed storage area within a storage [said] unit;  
accessing the interior of said storage area at selected  
times to permit deposit and removal of tickets therein;  
detecting each access to said interior of said storage  
area; and  
memorizing and counting each said detected access.

g  
48. (Amended) Apparatus for dispensing lottery  
tickets, comprising:  
a box-like module including an interior storage area  
within which lottery tickets may be stored prior to dispensing;  
normally closed door means openable for accessing said  
interior storage area to permit deposit and removal of tickets  
therein;

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Q11  
means;  
detector means for detecting each opening of said door.  
memory means for memorizing and counting each said  
detected opening.

Claim 20, line 7, change "actuatable" to -- actuatable --

Claim 31, line 2, change "edge" to -- edged --;

line 3, change "moveably" to -- movably --;

Claim 33, line 4, insert -- determining -- before  
"means";

line 7, insert -- for -- after "means".

Add the following new claims 50-72:

20 50. A ticket dispensing machine for dispensing tickets

A12  
directly to the purchaser thereof, said dispenser comprising the  
combination of housing means for storing a strip of tickets to be  
dispensed, said housing means having an outlet opening accessible  
to the purchaser of tickets from said machine, means operable for  
ordering a plurality of tickets in a single batch, means for  
separating each of said tickets from said strip, dispensing means  
for dispensing tickets through said outlet opening, and control  
means for causing each ticket in said batch to be separated and  
dispensed separately from the other tickets in said batch  
regardless of the number of tickets in said batch.

21 51. A machine as in Claim 50 in which said tickets are  
instant-winner lottery tickets.

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52. A method of separating tickets from a strip of tickets in which said tickets are delineated from one another by lines of weakness, said method comprising the steps of moving said strip to bring one of said lines to a position near a separation station, providing means for holding said strip on at least one side of said one line, and bending said strip along said one line to facilitate separation of a ticket from said strip by tearing along said one line.

53. A method as in Claim 52 including the step of causing relative transverse motion at said separation station between a separator member and said strip so as to cause transverse deflection of said strip and burst said tickets apart along said line.

54. A method as in Claim 53 in which said tickets on each side of said line are gripped releasably, and said relative transverse motion causes longitudinal adjustment of the position of said line and tending to locate it at said separation station.

55. A method as in Claim 52 in which said tearing is started adjacent one edge of said strip and traverses the strip.

56. A method as in Claim 53 in which said separator member has a relatively dull edge, and said relative transverse motion comprises moving said member across said strip with its edge contacting said strip along a line spaced transversely of the plane of longitudinal travel of said strip.

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57. A method as in Claim 52 in which said tickets are pre-printed lottery tickets made of relatively stiff material.

Sub  
B2. 58. Apparatus for dispensing tickets from a strip of tickets delineated from one another by lines along which the material of said strip is weakened, said apparatus comprising, in combination, means for moving said strip towards a dispensing position, means for holding said strip adjacent one line along which said strip is to be separated, and bending said strip along said line to facilitate tearing of said strip along said one line.

612  
59. Apparatus as in Claim 58 including separation means, having a separator member and drive means for creating motion of said separator member and said strip relative to one another in a direction transverse to the strip, with said member in contact with and deflecting said strip to bend said strip along said one line and burst said tickets apart along said one line.

60. Apparatus as in Claim 59 in which said means for holding said strip holds said strip releasably so that the deflecting contact of said separator member with said strip tends to pull said strip to adjust its longitudinal position in order to align said one line with said member.

61. Apparatus as in Claim 59 in which said drive means is adapted to break through said strip in one locale and then traverse the strip along said line.

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~~25~~<sup>24</sup> 62. Apparatus as in Claim ~~61~~<sup>24</sup> in which said drive means includes means for mounting said separator member to traverse said strip, starting from a position in which said separator member is out of contact with said strip.

~~26~~<sup>25</sup> 63. Apparatus as in Claim ~~62~~<sup>25</sup> in which said separator member includes a blunt-edged wheel rotatably mounted to roll along said one line.

*Sub B3*  
*Q12* 64. Apparatus as in Claim 58 in which said tickets are lottery tickets printed on relatively stiff stock and stored in fan-fold form.

65. A dispenser for dispensing tickets from a strip of tickets printed in a strip with the individual tickets being delineated from one another by lines of weakness, moving means for moving said strip by a pre-determined distance to a position in which one of said lines is near a separation location at which adjacent tickets are separated from one another, said moving means comprising drive means for moving said strip by a pre-determined distance, and position detecting means for detecting the distance actually moved by said strip and producing an output signal to control said drive means.

~~29~~<sup>28</sup> 66. A dispenser as in Claim ~~65~~<sup>28</sup> in which said detecting means includes a rotary code member drivably coupled to said strip, and means for detecting the incremental movements of said wheel and converting them into electrical signals.

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Sub  
B4

67. A dispenser as in Claim 66 including an idler roller driven by the motion of said strip and drivably coupled to a shaft, said code wheel being mounted on said shaft.

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68. A dispenser as in Claim 67 including a front edge detector to detect the front edge of a ticket to be separated, memory means for storing information corresponding to the distance said strip is to be driven after its front edge is detected and before separation, and means for comparing the stored information with the output of said position detecting means, and for actuating separating means when a pre-determined comparison condition is reached.

WIN  
Sub-  
B5

69. A dispenser as in Claim 68 including separator means at said separation location, means for causing said dispenser to issue a plurality of tickets, the number of which corresponds to an order for a batch of tickets and means for operating said separator means to separate each of said tickets from the others in said batch.

70. A dispenser as in Claim 65 including separator means for pushing on said strip with a separator member in the vicinity of said one line while gripping said strip on opposite sides of said one line to tear said tickets apart along said one line.

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71. A dispenser as in Claim 68 including input means for storing corresponding information in said memory means for tickets of a different size from the first-named tickets.

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36  
72. A dispenser as in Claim 65 in which said tickets are lottery tickets printed on relatively stiff stock, and including housing means for storing said tickets in fan-fold form, said dispensing apparatus being mounted in said housing.

REMARKS

New formal drawings are being submitted herewith, and the Examiner's approval is requested.

The corrections in the specification and claims requested by the Examiner have been attended to. In addition, changes have been made in the specification for the purpose of clarification and correction of minor errors.

The features to which claims 30-45 and 50-70 are directed will be discussed first. These claims are directed to a ticket dispensing means and method, and particularly to the dispensing of lottery tickets which are printed in elongated strips in which individual tickets are delineated from one another by lines of weakness.

The dispensing of such tickets presents special and difficult problems. Enclosed are samples of nine (9) different instant lottery tickets of the type which the invention presently is being used to dispense successfully.<sup>1</sup> Although these tickets

<sup>1</sup> The enclosed tickets include two each of "Jackpot Bowling" of Rhode Island; "Winner Take All" and "Aces High" from Massachusetts; "Double Play" from Ohio; "Four Chances" from New Hampshire; "Fireworks", "The Instant Game" and "Mountain Madness" from Vermont; and one sample of "Cadeau Surprise" from Quebec.

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were issued relatively recently, it is believed that they accurately represent the tickets which were being sold at the filing date of this patent application.

As it can be seen, the tickets are printed on card stock, and have one relatively hard, slick surface. Furthermore, the ticket strips are relatively wide (e.g. 4 inches) so that the perforated line delineating one ticket from the next one is relatively long. Furthermore, the ticket strips usually are supplied by the State Lottery Commissions in fan-fold form.

Such tickets present certain difficulties. Because the cards are so stiff and the perforated lines are so long, the tickets are relatively difficult to tear apart. Also, they are relatively difficult to feed through a dispensing mechanism because of the slick surfaces and stiffness of the card stock.

In view of the foregoing considerations, it is little wonder that the typical prior art dispensing mechanism stored pre-cut tickets rather than dispensing them from perforated strips.

In fact, in most cases in the past, the tickets are pulled out of a container by hand and the number of tickets is counted out and torn off by an attendant. This, of course, is very slow, and is undesirable in that it requires an attendant.

Such mechanisms are not desirable to state authorities because they usually supply such lottery tickets in fan-fold strips. .

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The Hartmann reference 4,716,799 relied on by the Examiner attempts to dispense individual tickets from a fan-fold strip. However, Hartmann's device is not believed to offer a commercially viable approach to solving the problems met successfully by the present invention.

One drawback of the Hartmann type device is that it cuts the tickets from the strip. This is decidedly inferior to bursting of the tickets from one another. One reason is that errors in locating the cutting line result in the destruction of tickets. This is highly undesirable for any kind of ticket dispenser, but is particularly undesirable in dispensing instant lottery tickets. Placing sliced-up lottery tickets in the hands of consumers can cause a great deal of trouble, in addition to destroying many valuable tickets.

Hartmann probably was influenced to cut the tickets, rather than bursting or tearing them apart, because of the above-mentioned difficulties - the long tear line, the stiff stock, and the handling problems mentioned above. Thus, Hartmann shows that the routine thinking in the prior art would produce a machine which cuts the tickets instead of bursting them. Applicants have departed from the ordinary and routine, and have created an unobvious dispensing device and method in which the tickets are torn or burst apart rather than being cut.

Claim 30 and its dependent claims, and claims 52-64 and 70 are directed to this feature of the invention.

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The Examiner's rejection of claim 30 is respectfully traversed. It also is submitted that the other claims directed to this feature are patentable over Hartmann.

Given the problems mentioned above, it would not have been obvious to one skilled in the art to provide a ticket dispensing means and method which facilitates accurate tearing or bursting of the tickets rather than cutting them apart.

Those of ordinary skill in the art would recognize, as did Hartmann, that the ticket stock material is tough and the perforations are long, so that the bursting or tearing of the tickets apart would present substantial problems which could be solved easily by cutting the tickets apart.

In fact, Hartmann himself teaches away from the invention. In Column 1, lines 10-17, Hartmann discloses prior art which tears cards in a perforated strip apart from one another, and then goes on to teach that this is not the way to do it; instead, Hartmann suggests using a rotary cutter.

The Examiner also has cited Roetter 4,261,497, in combination with Hartmann, in rejecting the claims here under discussion.

Roetter does not disclose or suggest the invention, and, like Hartmann, actually teaches away from the invention. Roetter shows a mechanism for bursting printed business forms apart. He does not disclose a ticket bursting machine. The computer paper handled by the Roetter device is relatively thin

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and can be torn apart relatively easily. Therefore, Roetter merely suggests stopping one set of rollers while the other set of rollers continues to turn, thus pulling the sheets apart, while being stretched over a roller with spheres on it.

Contrary to the Examiner's assertion that Roetter suggests the use of his invention in bursting tickets apart, Roetter actually teaches away from such a concept. In Column 1, lines 34-44, he denigrates a prior mechanism used in ticket dispensing. This hardly is a suggestion that Roetter's invention would be usable in dispensing tickets.

Finally, there is no suggestion in either Hartmann or Roetter that their inventions should be combined.

Applicants have created a particularly desirable and advantageous ticket separation method and apparatus as set forth in new claims 52 and 58. In this feature of the invention, the weakened line between two adjacent tickets is moved to a position near a separation station, and the strip is held and bent along the line in order to facilitate the accurate tearing of the strip along the line. Preferably, a separator member is provided. Relative motion between the separator member and the strip is created so as to create transverse deflection and bending of the strip and tear the tickets apart along the line. This feature of the invention is illustrated schematically in Figures 8A and 8B of the drawings. The separator member takes the specific form of a wheel 68 (see Figures 5 and 7) which presses downwardly on the

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ticket strip as shown in Figures 8A and 8B to deflect it downwardly to bend the strip along the perforated line and burst the tickets apart.

By bending the strip along the desired tear line, the probability that the stock will tear along the right line is greatly enhanced and made easier. Another excellent advantage of this feature of the invention also is illustrated in Figures 8A and 8B. If the perforation line 56 is not correctly aligned with the bursting wheel at point 70, as the bursting wheel presses downwardly on the ticket stock, it naturally forces the tickets to adjust themselves longitudinally so that the perforation line 56 is correctly aligned with the burster wheel. This automatic mechanical correction means is a clever and unobvious feature of the invention. The invention thus uses one means or mechanism to perform two different functions; bursting the tickets apart, and re-aligning them.

Furthermore, this feature of the invention makes the bursting mechanism much less sensitive to accurate location of the perforation line at the bursting station. All that is necessary is that the perforation line be reasonably close to its desired location, and the automatic correction feature of the invention does the rest. This feature of the invention is emphasized particularly in claims 31, 54 and 60.

. Claims 55, 56, 61 and 62 emphasize the further advantageous feature in that the tearing starts at one point in

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the strip, and then traverses across the strip. This provides an initial breakthrough, which then progresses across the strip. This makes the separation of the tough card stock considerably easier than if it were attempted to tear through the entire line all at once.

Neither Hartmann nor Roetter, nor any other reference of record shows or suggests these additional advantageous features of the invention.

Another serious drawback of the Hartmann approach to dispensing tickets from a perforated strip is the means for moving the strip accurately to the proper location for cutting. Hartmann depends upon detecting the passage of light through the perforation holes in successive perforation lines in order to initially calibrate his machine to move the tickets the right distance before being cut. This approach has serious inherent flaws.

First, as the Examiner can tell by holding the enclosed lottery ticket samples up to a strong light, the size of the perforation holes varies so significantly that much less light shines through some of the holes than through others. Perhaps more significantly, it does not appear that any light at all shines through the holes in some of the tickets. Hartmann himself admits that light does not shine through the perforation holes reliably, and admits that he must go through a complicated calibration routine in an attempt to overcome this problem.

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However, even that does not solve the problem when there are no holes at all through which light will shine. Applicant's device does not depend upon light shining through holes in the tickets. Thus, the Hartmann device often is inoperative in dispensing tickets which applicants' device will dispense with ease.

Another problem is created due to the fact that, because of the unreliability of perforations as position indicating means, Hartmann has no reliable means for determining the instantaneous position of the ticket strip. As Hartmann says in Column 5, lines 24-28, "the device according to the present invention does not rely upon the detection of a perforation after calibration to issue a ticket, thus eliminating errors due to blocked perforations." This causes problems in controlling the movement of the strip.

Claim 65 (and the more limited allowed claims 34 and 35) are directed to the advantageous feature of the present invention which overcomes the latter problems of the Hartmann device. Specifically, applicants provide position-detecting means for detecting the distance actually moved by the strip while it is being moved to a bursting or tearing position, and using the signal produced by the detecting means to control the drive means for moving the strip to the desired position. Claim 66 specifies the detecting means as including a rotary code member drivably coupled to the strip, and means for detecting the incremental movements of the code member and converting them into

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electrical signals. The code member preferably is the optical code wheel 86 (Figures 5 and 7) which accurately determines the actual position and movement of the ticket strip.

The Examiner might think that the Hartmann device detects the position of the strip by counting electrical pulses delivered to its ticket advance stepper motor 40 (see Figure 1). However, the use of the stepper motor is flawed in that, if there is slippage between the strip and the drive roller driven by the stepper motor, as is so very likely with such stiff and slick materials, then the stepper motor pulse count does not accurately represent the actual position of the ticket strip. Therefore, Hartmann does not reliably detect the actual movement of the strip by his approach.

As is indicated in claim 67, for example, and as it is explained on page 28 of the specification and shown in Figure 7 of the drawings, the code wheel 86 is secured to a shaft to which rollers 60 are coupled. The rollers 60 are idlers which move only as the result of movement of the ticket strip. Thus, if the driven rollers 62 slip when attempting to drive the strip, unlike the Hartmann device, applicants' device does not register movement.

Applicants also have a highly superior and very simple method of determining the distance to move each ticket of a given length. As it is set forth in claims 68 and 69, for example, a front edge detector is provided to detect the front edge of a

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ticket to be separated. The information telling the mechanism how far to move the ticket after that point is stored in memory, and the ticket is moved until it has moved by that distance. This is a far simpler system than the Hartmann system, which requires a complex calibration routine, etc.

Claims 71 and 36-39 are directed to the extremely simple feature of the invention in which the differing lengths of different tickets is accommodated by simply inputting different information into the memory means to indicate how far each ticket is to be moved. This is in direct contrast to Hartmann who requires a complicated calibration routine each time a new size of ticket is to be dispensed from the machine.

In applicants' invention, the information can be simply input by operating the keypad on the front of the machine, or by inputting it from a central computer. Hartmann does not suggest this simplicity.

Another highly advantageous feature of the invention, emphasized in claims 50, 51 and 69, for example, is one in which each ticket in a batch of tickets ordered by a particular customer is individually separated from the other tickets in the batch so that the tickets are dispensed one at a time. At first, this might appear to be disadvantageous. However, it has unobvious and unpredictable advantages that make it unobvious.

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This feature produces at least three different advantages. One is that the front edge detector recited in claims 68 and 69 can be used to great advantage in determining a reference point for determining how far to move each ticket. This greatly simplifies the mechanism and circuitry of the device.

A second advantage is that this feature takes advantage of the automatic position adjustment capabilities of the burster mechanism of the invention. Thus, a correction operation automatically is engaged in for each ticket which is dispensed. This prevents individual small errors in ticket location from accumulating over a long period of time and become major errors.

A third advantage, which is emphasized by claims 50 and 51, is where the housing which dispenses the tickets has an outlet opening (e.g. opening 34 shown in Figure 4 of the drawings) which is accessible to the purchaser of the tickets. If the machine were to issue a strip of say 10 tickets or so without separating each individual ticket from its neighbors, during the dispensing of the tickets the purchaser could grab the end of the uncut strip of tickets and pull many more tickets than he paid for out of the machine. Thus, the dispensing of one ticket at a time helps prevent theft or vandalism.

It does not appear that Hartmann dispenses tickets directly to the purchaser. Therefore, he has nothing to even remotely suggest this feature of the invention.

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The rejection of claim 20 as being anticipated by Koza or obvious over Hartmann is respectfully traversed. Claim 20 is directed to the feature of the invention in which a control panel is mounted on the front surface of the ticket dispenser and a dispensing outlet is located on the rear surface. This arrangement is not shown or suggested either by Koza or Hartmann. In Koza, any lottery ticket which might be dispensed from the video game terminal is dispensed from a small closed box 42 in the front of the video game terminal (see Figure 2 and column 3 lines 56-61). In the Hartmann device (see Figure 1), the ticket outlet 18 is on the front of the device, just above the control panel 20.

The arrangement of claim 20 is advantageous in that, in the typical retail store such as a candy or cigar store, the dispensing unit can rest on the counter, with the ticket agent or seller on one side of the counter, and the customer on the other. The ticket can be issued directly to the customer so that he can take it quickly and make room for the next person in line. This can be very advantageous when there are long lines of people waiting to buy tickets. It eases the ticket agent's job and makes for faster ticket vending, thus increasing both the ticket seller's commissions and the state's revenues.

Claims 21, 24, 25 and 27-29 depend from and are allowable with claim 20. Claim 21 calls specifically for means to generate a ticket number specification signal to order the

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dispensing of multiple tickets. This emphasizes the ease with which multiple tickets can be issued by the ticket agent without his having to handle the tickets.

Claim 24 is directed to the feature discussed above in which each of a batch of tickets is separated from the other tickets, thus providing the security feature described above.

Claims 27-29 are directed to the advantageous message display means mounted at the back surface adjacent the dispensing outlet of applicants' machine. This display is shown at 46 in Figure 4, for example. Moreover, there is a second display on the front of the machine 32 for informing the agent of information that he needs. This second display is recited in claim 29. Claim 28 is directed to central data processing means for selectively transmitting messages to the unit.

The foregoing specific combinations of features are not shown in or suggested by either Koza or Hartmann, or any combination of those references.

Claims 27-29 have been rejected as obvious over Troy in view of Hartmann. The Examiner relies on Troy primarily for his display 128 (Figs. 8 and 9). However, such a display is not provided specifically on the rear surface of a dispensing unit with tickets being dispensed from the same rear surface. Similarly, the features of claims 28 and 29, which also are dependent from claim 20, are not suggested by Troy.

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Claims 40, 46 and 48 are directed to the feature of the invention in which the opening of an access door to the dispensing unit is detected and counted. By this means, the agent can determine whether an employee or other person who has no valid reason for entering the cabinet has done so. Since the number of accesses is recorded and printed out for the agent, he can determine whether security may have been breached.

None of the references suggests the novel concept of these claims in which the number of accesses is counted. Alarms are sounded and other indicia are activated to indicate when an access door is opened, but an accounting system for openings is a different and novel concept not suggested by these references. Thus, the Examiner's comment on page 4 of the official action regarding the disclosure of Koza as applied to claims 46-48, does not anticipate the invention as set forth in these claims.

Claims 42-45 and 49 are directed to the feature of the invention in which an imprinter is provided in the dispensing unit to imprint on the ticket itself the identification of the agent or station issuing the ticket. This concept is not shown or suggested by any of the references. The Examiner's contention on page 6 of the official action that vendor identification is printed on Troy's checks is not believed to be supported by the reference to the specification. Moreover, even if some identification of the vendor did appear on the checks, this is not at all the same as imprinting the vendor's identification on

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each of the lottery tickets. The checks are used to provide payoffs to winners, whereas lottery tickets still must be redeemed at some later point in time. By imprinting the vendor's identification on each ticket, the buyer has a convenient reference for determining where to go to claim credit for the winning ticket.

Claims 34 and 35 have been indicated to be allowable if rewritten as suggested by the Examiner. They have been so rewritten and are believed to be allowable.

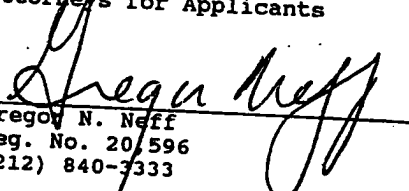
The prior art which was cited but not specifically relied on is not believed to be any more pertinent than that relied on.

Accordingly, it is respectfully requested that the claims be allowed and that the application be passed to issue.

Respectfully submitted,

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SERIAL NUMBER 077128,079	FILING DATE 12/03/87	FIRST NAMED INVENTOR BORK	ATTORNEY DOCKET NO. 552-2130
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 EXAMINER  
 RUGGIERO, J

 ART UNIT  
 256

 PAPER NUMBER  
 9

DATE MAILED: 07/25/87

 This is a communication from the examiner in charge of your application.  
 COMMISSIONER OF PATENTS AND TRADEMARKS

☐ This application has been examined ☒ Responsive to communication filed on 5-19-89 ☐ This action is made final.

 A shortened statutory period for response to this action is set to expire 3 month(s), \_\_\_\_\_ days from the date of this letter.  
 Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

**Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:**

- |  |  |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892.        | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-848.                   |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1448.                        | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152. |
| 5. <input checked="" type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474. | 6. <input type="checkbox"/> _____  |

**Part II SUMMARY OF ACTION**

- 1.
- ☒
- Claims
- 20, 21, 24, 25, 27-40, 42-46 and 48-72
- are pending in the application.

 Of the above, claims 52-57 are withdrawn from consideration.

- 2.
- ☒
- Claims
- 1-19, 22, 23, 26, 41 and 47
- have been cancelled.

- 3.
- ☒
- Claims
- 20, 21, 24, 25, 27-29, 34, 35, 50 and 51
- are allowed.

- 4.
- ☒
- Claims
- 30-32, 40, 42-46, 48, 49, 58-66, 68 and 70-72
- are rejected.

- 5.
- ☐
- Claims
- 33, 36-39, 67 and 69
- are objected to.

- 6.
- ☒
- Claims
- 52-57
- are subject to restriction or election requirement.

- 7.
- ☐
- This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.

- 8.
- ☐
- Formal drawings are required in response to this Office action.

- 9.
- ☐
- The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are
- ☐
- acceptable.
- ☐
- not acceptable (see explanation or Notice re Patent Drawing, PTO-848).

- 10.
- ☐
- The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been
- ☐
- approved by the examiner.
- ☐
- disapproved by the examiner (see explanation).

- 11.
- ☐
- The proposed drawing correction, filed on \_\_\_\_\_, has been
- ☐
- approved.
- ☐
- disapproved (see explanation).

- 12.
- ☐
- Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has
- ☐
- been received
- ☐
- not been received
- 
- ☐
- been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.

- 13.
- ☐
- Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 483 O.G. 213.

- 14.
- ☐
- Other

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 04-128-JJF

EXAMINER'S ACTION

PTO-L-320 (Rev. 9-88)

GTECH 000719

Serial Number: 128070

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Art Unit: 236

1. It is noted that page 24, line 4, as presently amended, has poor syntax. Also, the first line of claim 46, as now amended, has poor syntax.

2. The drawings are objected to because Reference numerals "90" at page 26, line 22 of the specification and "39" at the last line of page 17 are not shown in the drawing. Correction is required.

3. Applicant is required to submit a proposed drawing correction in response to this Office action. However, correction of the noted defect can be deferred until the application is allowed by the examiner.

4. Claims 61-64 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 61, the use of "adapted" in the expression "adapted to ~~the~~ break through" is not sufficient to provide a positive recitation of structural cooperation among the elements of the device. In claim 64, the wording "relatively stiff stock" is vague and indefinite. Claim 62 and 63 incorporate the deficiencies of claim 61 by dependence.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless-

6. (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States..

Serial Number: 128070

-3-

Art Unit: 236

7. Claims 30-32, 58-60 and 64 are rejected under 35 U.S.C. 102(b) as being anticipated by Wescoat '669.

Wescoat '669 discloses an apparatus for dispensing lottery tickets including ticket storage means 34 for storing a plurality of lottery tickets 36 in a fan fold stream separated by lines of weakness 37, transport means 47 for feeding the tickets, separations means 71 including breaker bar 72 for separating the tickets by bursting along the lines of weakness and manually accessible outlet means 46 for receiving the separated ticket. Further included in Wescoat is a hold down roll 79 which prevents deflection of the tickets from the feed path during bursting. Wescoat also provides a feed alignment means (bowing means 81) to control the transport means. Further, with regard to claim 59, the downward movement of the breaker bar 72 in Wescoat is considered to be in a direction transverse to the longitudinal direction of the strip. With regard to claim 60, it is noted that the language in the "so that" clause is given no patentable weight in determining distinguishable structure.

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless-

9. (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent.